

Claims

What is claimed is:

1. An anode for electrowinning zinc comprising a rolled lead-silver alloy containing greater than 0% of a member selected from the group consisting of calcium, barium and strontium, containing 0% tin and having a randomly oriented grain structure.
2. The anode of claim 1 in which the alloy is a lead-calcium-silver alloy.
3. The anode of claim 2 in which the calcium content is below 0.08%.
4. The anode of claim 2 in which the calcium content is between 0.03 and 0.08%.
5. The anode of claim 2 in which the silver content is at least 0.3%.
6. The anode of claim 2 in which the silver content is between 0.3 and 0.5%.
7. The anode of claim 2 in which the calcium content is between 0.04 and 0.07% and the silver content is between 0.3 and 0.4%.
8. The anode of claim 2 in which the calcium content is about 0.06% and the silver content is about 0.35%.
9. The anode of claim 1 in which the rolled alloy is attached to a copper busbar.
10. The anode of claim 1 in which the alloy contains barium.
11. The anode of claim 1 in which the alloy contains strontium.
12. A lead-silver alloy for electrowinning zinc containing greater than 0% of a member selected from the group consisting of calcium, barium and strontium, containing 0% tin and having a randomly oriented grain structure which is not corrosion resistant.
13. An anode for electrowinning zinc formed by rolling a lead-silver alloy containing greater than 0% of a member selected from the group consisting of calcium, barium and strontium and 0% tin, and heat treating the alloy at a temperature sufficiently high to cause

